

A BIBLIOGRAPHY ON FRACTIONAL REPLICATION, PRE-1968

by

BU-420-M

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The attached list of references was obtained from the "Bibliography on Experimental and Treatment Designs, pre-1968" by W. T. Federer and L. N. Balaam. The purpose of the present paper is to consolidate in one place the references on the subject of fractional replication.\*

The notation and classification used by Federer and Balaam are retained. The category T3 refers to regular fractions for which only complete confounding of effects in the aliasing structure results; T4 refers to response surface, rotatable, central composite, steepest ascent, evolutionary operation, response curves, and partan fractional replicates; T5 refers to simplex, vertices, constrained, and mixed fractions; T6 refers to weighing designs; and T7 refers to other fractions such as those with additional or missing combinations, group testing, random balance, randomized factorials, and complementation. Some references on the deletion of variables are also included under T7.

The letter a refers to application and analysis, the letter c to construction, and the letter e to a numerical example. The remaining symbols are described in the above reference.

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\* Note that references listed as T2,... are included on pages 45 to 52. These references were not included on pages 1 to 44 and were appended in order not to retype the first 44 pages.

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